

Biblical Astrology

Why Is The Circle, or Cycle, "Larger" Than 360 Degrees? Who Rules The Earth—Mars or Sun?

By GEORGE BAYER

(In presenting this series of articles on Biblical Astrology, by Mr. Bayer, we feel that we are rendering a distinct service to every astrologer and student who will take the trouble to experiment along the lines suggested by the author. Mr. Bayer has found, by conscientious testing over a long period of years, that his biblical measurements work out almost unfailingly in the movements of stocks and commodities, as well as in the calculation of other types of astrological forecasts. The full scope of his findings is now available in two important works, which are described more fully in the department, "Among the Books," in this issue of —Editor.)

STUDENTS who wish to delve deeply into the subject of astrology usually try to obtain some of the older texts. Of these there are a vast number, the single period from about 1200 to 1600 A.D. having produced between two and three hundred volumes which are still extant, either in manuscript or printed form.

In that 400-year period, as well as later, all scientific writing was done in Latin. Actual making of the manuscripts was done chiefly in the monasteries, or by professors of mathematics and astrology in the great universities and other centers of learning, as indicated on the title-pages of each volume.

Those ancient writers, naturally, knew a great deal about the Bible and its contents, although it may be questioned as to whether they were always fully informed as to its meaning. Nowadays, very few people have the time or patience to read the Bible thoroughly, and more especially the Old Testament portion. That volume speaks of too many sons, daughters, brothers, deaths, series of relatives or descendants, which seemingly were mentioned in detail merely to fill up the book. With a few examples, I will try to show in this ar-

ticle that the compilers of the Bible knew more about mathematics, cycles, laws of nature, and other practical yet abstruse matters, than most of those living today will get to know.

Astronomers, such as Herschel, who discovered the planet Uranus, have sometimes believed that the circle is greater, or rather, that it consists of a great number of particular units, than 360 degrees. In his "Outlines of Astronomy," Herschel makes this assertion, although he does not actually mean what he says, because he did not recognize the great law that he had discovered. So lightly did he regard this fact that he placed it, so to speak, in an obscure corner. My copy of his work is dated Philadelphia, Pa., 1849. Here is what he says:

HERSCHEL'S CALCULATIONS

"NOW, although it is true that the mean motions of no planets are exactly commensurate, yet cases are not wanting in which there exists an approach to this adjustment. For instance, in the case of Jupiter and Saturn, a cycle composed of five periods of Jupiter and two of Saturn, although it does not exactly bring about the same configuration, does so pretty nearly.

"Five periods of Jupiter are 21,663 days, and two periods of Saturn, 21,519 days. The difference is only 146 days, in which Jupiter describes, on an average, 12 degrees, and Saturn about 5 degrees; so that after the lapse of the former interval they will

only be 7 degrees from a conjunction in the same parts of their orbit as before.

If we calculate the time which will exactly bring about, on the average, three conjunctions of these two planets, we shall find it to be 21,760 days, their synodic period being 7253.4 days.

In this interval Saturn will have described 8 degrees 6 minutes in excess of one sidereal revolution, and Jupiter the same angle in excess of five.

Every third conjunction, then, will take place 8 degrees 6 minutes in advance of the preceding, which is near enough to establish, not, it is true, an identity with, but still a great approach to the case in question. The excess of action, for several such

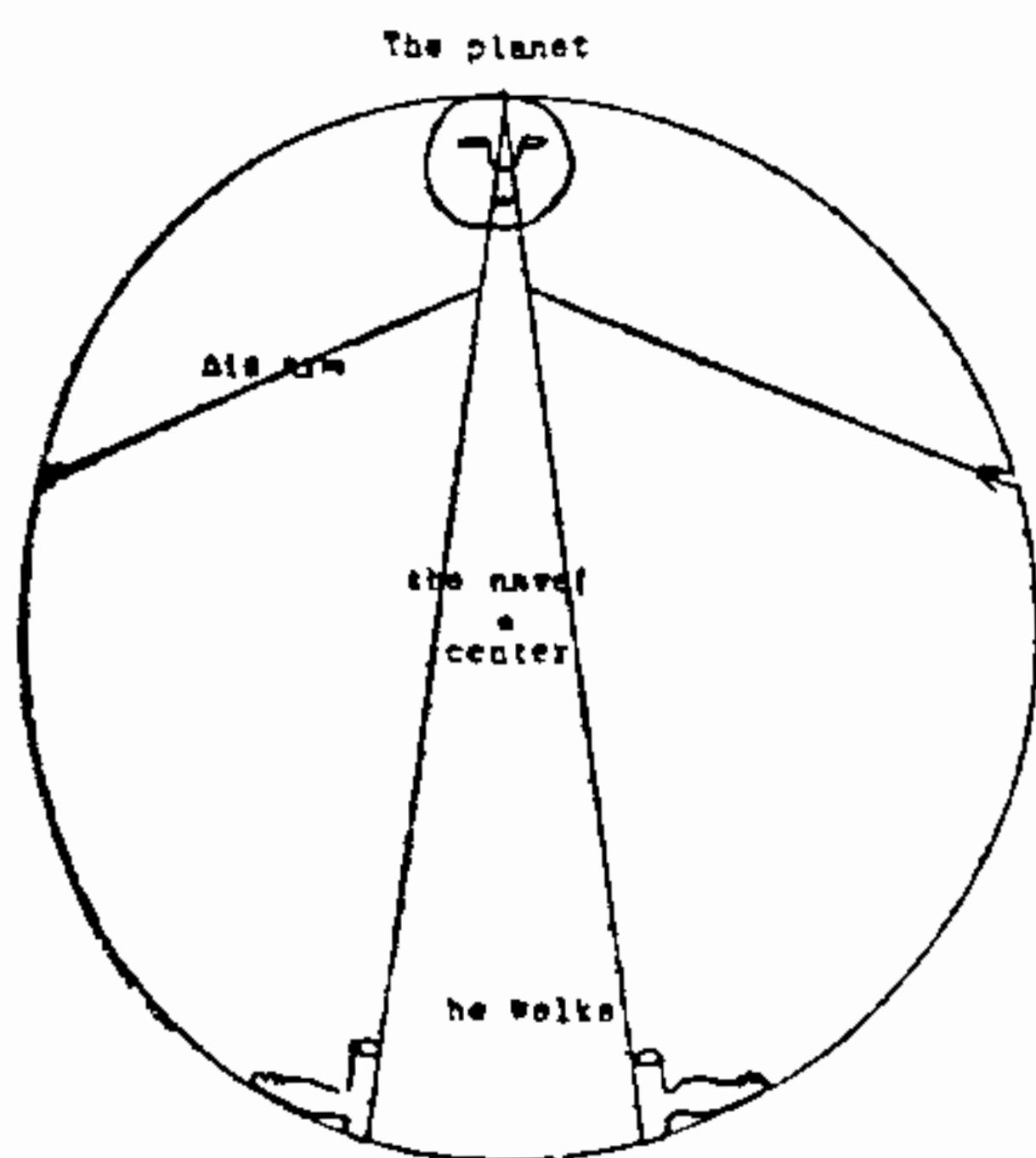
ference of 360 degrees; and, accordingly, if we trace round this particular conjunction, we shall find it will return to the same point of the orbit in so many times 21,760 days, or in 2648 years.

"But the conjunction we are now considering is only one out of three. The other two will happen at points of the orbit about 123 degrees and 246 degrees distant, and these points will also advance by the same arc of 8 degrees 6 minutes in 21,760 days.

"Consequently, the period of 2648 years will bring them all around, and in that interval each of them will pass through that point of the two orbits from which we commenced; hence a conjunction (one or other of the three) will happen at that point once in one-third of this period, or in 883 years; and this, therefore, is the cycle in which the Great Inequality would undergo its full compensation, did the elements of the orbits continue all that time invariable. Their variation, however, is considerable in so long an interval; and, owing to this cause, the period itself is prolonged to about 918 years."

That is what the great astronomer Herschel has to say. A cycle, or rather the circle, has a length of 368 degrees 6 minutes. One-third of that circle is 122 degrees 42 minutes.

To follow the astrological path through the Bible is rather difficult, because of the peculiar idiom and phraseology which the writers employed. The maze of statements and stories, the different meanings and purposes of the various chapters, and especially the fact that everything referring to the measurement of degrees is based upon the circle of 368 degrees 6 minutes, and not upon the familiar circle of 360 degrees, inevitably produces confusion. Another factor which contributes to the difficulty of correct understanding is that the writers took it for granted that the reader was aware of the rules and terms employed. (It may be mentioned that the 360-degree circle is merely based upon convenience,



triple conjunctions (7 or 8) in succession, will lie the same way, and at each of them the elements of P's orbit and its angular motion will be similarly influenced, so as to accumulate the effect upon its longitude; thus giving rise to an irregularity of considerable magnitude and very long period, which is well known to astronomers by the name of the Great Inequality of Jupiter and Saturn.

"The arc 8 degrees 6 minutes is contained $44 \frac{4}{9}$ times in the whole circum-

360 being evenly divisible by every digit except 7.—Ed.)

Ezra Agrees

HAVING read Herschel on this subject, let us take an illuminating example from the Bible itself. In the Book of Ezra, chapter 2, verse 2, we read that the people of Israel came with 11 leaders. Using the first 11 items as one unit and adding them together, we obtain the following results:

Children of Parosh.....	2,172
Children of Shphatiah.....	372
Children of Arah.....	775
Children of Pahathmoab.....	2,812
Children of Elam.....	1,254
Children of Zattu.....	945
Children of Zaccai.....	760
Children of Bani.....	642
Children of Bebai.....	623
Children of Azgad.....	1,222
Children of Adenikam.....	666
Children of 11 tribes total.....	12,243

Note the first figure given—2,172—and its close identity with cyclic figure 21,760 mentioned by Herschel. Note also the similarity of the total of the 11 tribes—12,243—and its absolute identity with the arc of 122 degrees 43 minutes mentioned by Herschel. It appears from this that Herschel “discovered” a cyclic measure that was commonplace knowledge among the ancients.

The remainder of the “count” given in this portion of Ezra is not of interest here, since it deals with other cycles, such as that of 37 degrees 10 minutes, of 82 degrees 36 minutes, which latter is shown as 81 degrees 96 minutes but amounts to identically the same thing. The total of these cycles is 242 degrees 29 minutes, which total should be kept in mind.

Ezra, chapter 2, verse 65, states that the total number of men in the community was 42,360. Leave off the 0 and you have 42-36, or 42 degrees 36 minutes.

The Mean Sidereal Period

FOR another illustration, let us turn to the Book of Numbers, chapter 26, from verse 7 on, where we find the following count of “the people”:

Tribe of Reuben.....	43,730
Tribe of Simeon.....	22,200
Tribe of Gad.....	40,500
Tribe of Juda.....	76,500
Tribe of Isasher.....	64,300
Tribe of Sebulon.....	60,500
Tribe of Manasse.....	52,700
Tribe of Ephraim.....	32,500
Tribe of Benjamin.....	45,600
Tribe of Dan.....	64,400
Tribe of Asser.....	53,400
Tribe of Naphtali.....	45,400
	601,730

Taking 360 degrees from this figure, we obtain 242 degrees 13 minutes, which value is within minutes of being identical with that given in Ezra, noted above. It is to be noted also that the total given here (601,730) is approximately the same as the mean sidereal period in mean solar days of Neptune, which is 60,126 $\frac{3}{4}$ days.

In Numbers 33:39, we find: “And Aaron was one hundred and twenty and three years old (123) when he died at Mount Hor.” Aaron thus equals one-third of the Jupiter cycle, which ends at a place in the horoscope called Mount Hor. How close the ancients came with their inequalities of Saturn and Jupiter may be seen in Chronicles I, chapter 15, wherein the number of men who carry the Ark is tabulated:

Uriel	120 men
Asaiah	220 men
Joel	130 men
Shemaiah	200 men
Eliel	80 men
Amminadab	112 men
	862 men

Inasmuch as we are to use these “men”

25 degrees (and making use of the circle of 365 degrees 6 minutes), we get—

120 degrees equals	123° 43' 36"
220 degrees equals	224° 59' 56"
130 degrees equals	132° 57' 14"
200 degrees equals	204° 32' 40"
80 degrees equals	81° 49' 4"
112 degrees equals	114° 32' 41"
	882° 35' 11"

Note how close this total comes to Herschel's cycle of 883 years, in reference to the Great Inequality of Jupiter and Saturn.

Reducing this value by two cycles, that is, by 736 degrees 21 minutes 36 seconds, we get a remainder of 146 degrees 14 minutes 35 seconds, and by converting this into our ordinary equivalents, we have 143 degree 0 minutes 0 seconds.

Returning now to our second illustration, where we had a total of 601 degrees 73 minutes—or 602 degrees 13 minutes, these totals being identical in value—we may add to it a bit of information from Genesis 8:14—

The Deluge ended in the 601st year, in the second month, and on the 27th day of the month. This gives us a clue as to the length of the month. 601 years equal our 601 degrees, plus one or another of the following factors:

- 1 month 27 days must equal:
- 2 degrees 13 minutes, or 173', equalling
- 2 degrees 53 minutes
- 1 degree 73 minutes
- 1 degree .73 (decimal) which would be
- 1 degree 44 minutes.

Now, inasmuch as 1 month 27 days equals 57 days, with the Moon's Node retrograding 3.177" per day, we may get a definite means of taking a measure.

The Moon's Node

WE KNOW that the lunar apogee "circulates" in 3232.575343 days. Let us check this value and see how it fits with our 601,730 (illustration No. 2) or

our illustration No. 5, which will be developed later in this article, in which the count is 603,550 according to the Bible, but which by actual count is 603,750. Let us also check how it fits the 601st year, the 2nd month and 27th day—the End of the Deluge.

At the rate of retreat of 3' 10.64" per day of the Moon's Node, we find it is carried around the entire circumference of the zodiac or ecliptic in 6793.39 mean solar days, which equals about 18.6 years.

Dividing 601,730 by 3232.57 days we obtain 18.615 years.

The values dealt with in the last few illustrations, therefore, have to do with the motion of the Moon's Node, and have no direct relation to the motion of Jupiter and Saturn.

The Book of Numbers, chapter 2, gives another count, producing again an explanation of the relationship between lunar apogee and Node under the guise of a count of population:

Tribe of Judah.....	74,600
Tribe of Issachar.....	54,400
Tribe of Zebulun.....	57,400
To the East, says the Bible, were 186,400 (186,600).	
Tribe of Reuben.....	46,500
Tribe of Simeon.....	59,300
Tribe of Gad.....	45,650

To the South were 151,450.

Levites—They were not to be counted (chapter 2:33).

Tribe of Ephraim.....	40,500
Tribe of Manassas.....	32,201
Tribe of Benjamin.....	35,400

To the West were 108,100.

Tribe of Dan.....	62,700
Tribe of Ashur.....	41,500
Tribe of Naphtali.....	53,400

To the North were 157,600.

Adding all these totals together we find there were 603,750, although chapter 2:32 says there were 603,550.

I might mention many cases throughout

the Bible, where you will find times, ages, etc., which contain the value of 368 degrees 6 minutes or parts thereof, but nowhere will you find an allusion to a circle of 360 degrees.

It is my belief that if astrologers would use the angles suggested here, rather than the "convenient" angles commonly employed, they would be able to attain a greater percentage of accuracy in their prognostications, especially when making progressions, for nativities as well as the Stock Market or the various commodity markets. Here is a list of the principal aspects converted into terms of Biblical measurements:

Instead of	use
30°	30° 40' 54"
45°	46° 01' 21"
60°	61° 21' 48"
90°	92° 2' 42"
120°	122° 43' 36"
135°	138° 4' 3"

(Actually, it is not 135 at all which causes trouble, but

130° which equals.....	132° 57' 14"
150°	153° 24' 30"
180°	184° 5' 24"

and upward to 360)

Of course, this same method should be followed in making use of, or computing, the ephemeral aspects.

Students who take the trouble to experiment with these biblical measures, will shortly come to see that the strange word-pictures, enumerations, and family trees are in reality the records of planetary movements, or transits, and their influence upon the ancient "bull and bear markets," (or their equivalents), and upon the weather, panics, droughts, and economics.

The close agreement of these ancient statistical astrologers with the findings of modern astronomers is surprising indeed, when we consider that, so far as we know, they had no tables of logarithms, no telescopes, or other essential equipment of the moderns. How did they do it? We may

never find the answer to this question, but we cannot escape the fact that they did a marvelously accurate job.

(To be continued)

Biblical Astrology

The Importance of Mars In Human Affairs

By GEORGE BAYER

THE astro-Bible student is struck at once by the fact that the inspired writers actually credited the Sun with having slight influence upon the affairs of this earth or its inhabitants. Instead, great emphasis was placed upon the planet Mars as the Giver of Life. This view is presented many times throughout the Book.

In Exodus IX:29-32, we read: "And Moses said unto him (Pharaoh): As soon as I am gone out of the city, I will spread abroad my hands unto the Lord, and the thunder shall cease, neither shall there be any more hail, that thou mayest know that the earth is the Lord's.

"But as for thee, and thy servants, I know that ye will not yet fear the Lord God.

"And the flax and the barley was smitten; for the barley was in the ear, and the flax was balled.

"But the wheat and the rye were not smitten; for they were not grown up."

Who, astrologically, is Moses? Who is Pharaoh? Where is the city which Moses left? And where did he spread his hands unto the Lord?

The Bible declares that as soon as Moses spreads his hands unto the Lord, the thunder shall cease, as well as the hail. Flax and barley were smitten, but wheat and rye were not. The reason given, that they were not "grown up," is merely figurative. If it was not important to mention the fact that they were not smitten, then what was the reason for mentioning it at all?

Astrologically, Moses is a specific planet which rotates in the zodiac, and which at the time of the events described was "living" in a zodiacal sign which belongs to Pharaoh. Pharaoh also is a specific planet.

The "city" is a specific point in the zodiac, which point the planet Moses has just transited.

Moses reaches with his hands unto the Lord, which also is a specific planet, and, when we construct a picture (see accompanying diagram), we get an idea of what actually transpired.

The meaning of the next statement is: As soon as the planet represented by Moses touches with his hand (it is always the right hand) that planet which is represented by the Lord, the price of the flax and of barley will rapidly decline, while neither the wheat nor the barley will be affected and their price will remain where it is.

By the word flax, as used in the Bible, we understand not merely flax but also cotton. This was illustrated very clearly when, during the summer of 1936, cotton made its top on July 10 and then had a big decline, while wheat and rye rose an extra 30 cents.

So far, I have conducted my researches without assistance and it is but recently that I have felt justified in passing on to other students the astrological data which I have unearthed, particularly in the matter of discovering what it is that makes the markets go up and down, what is the cause of the great panics, and how to calculate their approach long in advance.

Putting these findings briefly, I may say that these "causes" are Abram, Isaac, Jacob and Joseph, and all the other biblical cycles which "begin" and "end,"—the bottoms and tops—in stocks, human lives, in wheat and cotton, in business, and in every other thing that comes under the rulership of Mars.

Biblical Astrology

Another in a series of illuminating articles on the Astrology of The Bible—Abraham's "Tent."

By GEORGE BAYER

(In presenting this series of articles on Biblical Astrology, by Mr. Bayer, we feel that we are rendering a distinct service to every astrologer and student who will take the trouble to experiment along the lines suggested by the author. Mr. Bayer has found, by conscientious testing over a long period of years, that his biblical measurements work out almost unfailingly in the movements of stocks and commodities, as well as in the calculation of other types of astrological forecasts.)

WHILE it is to be expected that the well-seasoned astrologer will probably derive the greatest measure of information from this and future articles in this series, I believe the subject matter with which we shall deal herein is of interest to a preponderant majority of our readers. My hope is that none of you will get the idea that there is anything irreverent in my statements regarding the astrological meanings contained in the scriptural writings with which everyone is familiar. In these articles, I have tried to concentrate my entire attention upon the utilitarian value of The Bible as a guide in our daily lives and affairs. In adopting this attitude, I am not detracting in any way from the Book's value as a spiritual guide, but rather am thereby proving that it well merits the full confidence and faith of those who study it as a religious work.

The astrologer who realizes that The Bible is the one Book which contains all the Laws we are seeking, I hope, will find in these articles the answers to many of his questions.

The basis of this article is Genesis, chapter 18, verses 1-10. Due to space limitations, I cannot elaborate on many points introduced in this discussion, and ask the reader to accept my statements as

having been tested and demonstrated time and again. Later, as you go further with me, you will be able to make these same tests for yourself and with your own materials. Certain points here mentioned, however, were dealt with at length in my article in the February issue

to which I refer you.

The gist of our story from Genesis is:

Abraham was sitting at the door of his tent at noon of a certain day, when the Lord appeared. He looked up and saw three men standing against him. He ran toward them and bowed to the earth. He suggested that he would wash their feet, and that they lean against the tree. He also offers to bring bread and then they may go. He says, "That is why you came (all three) to our servant."

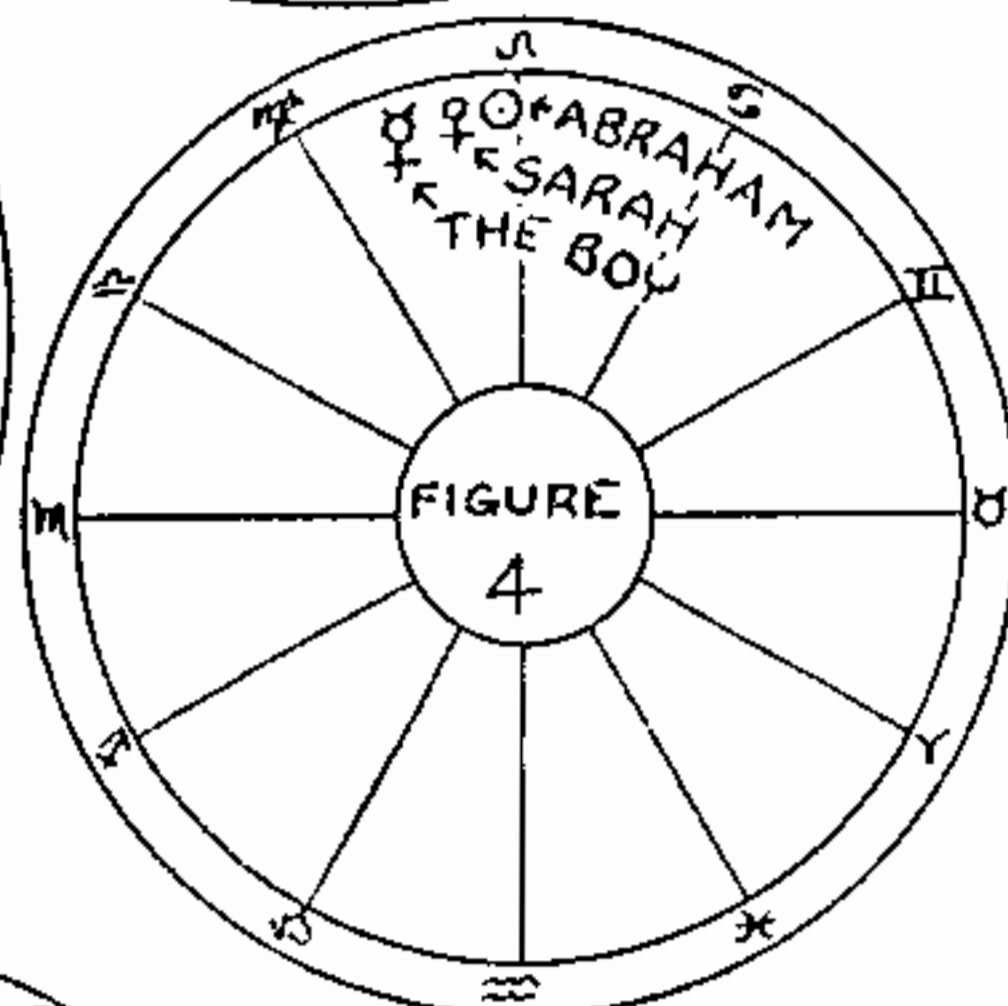
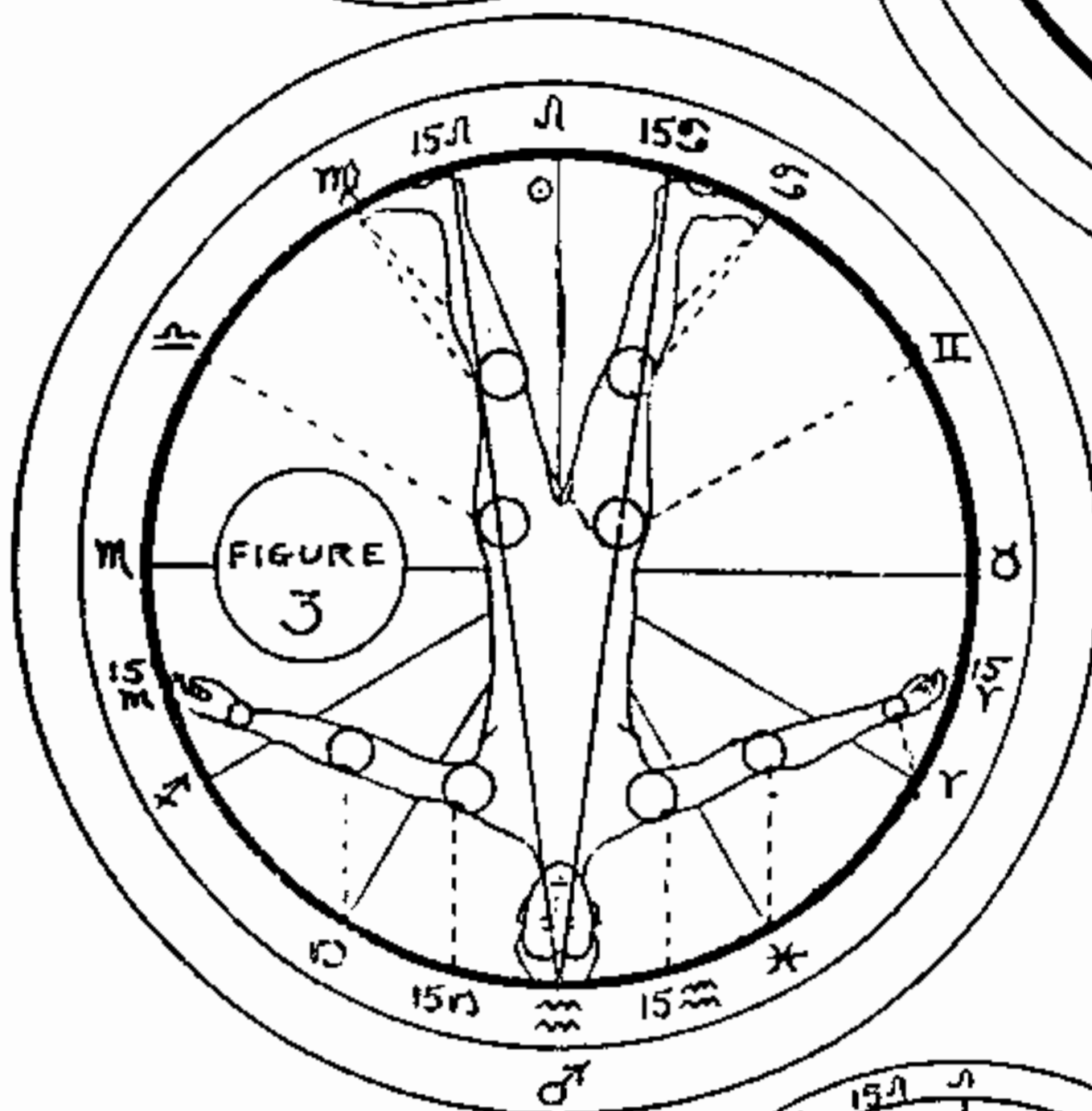
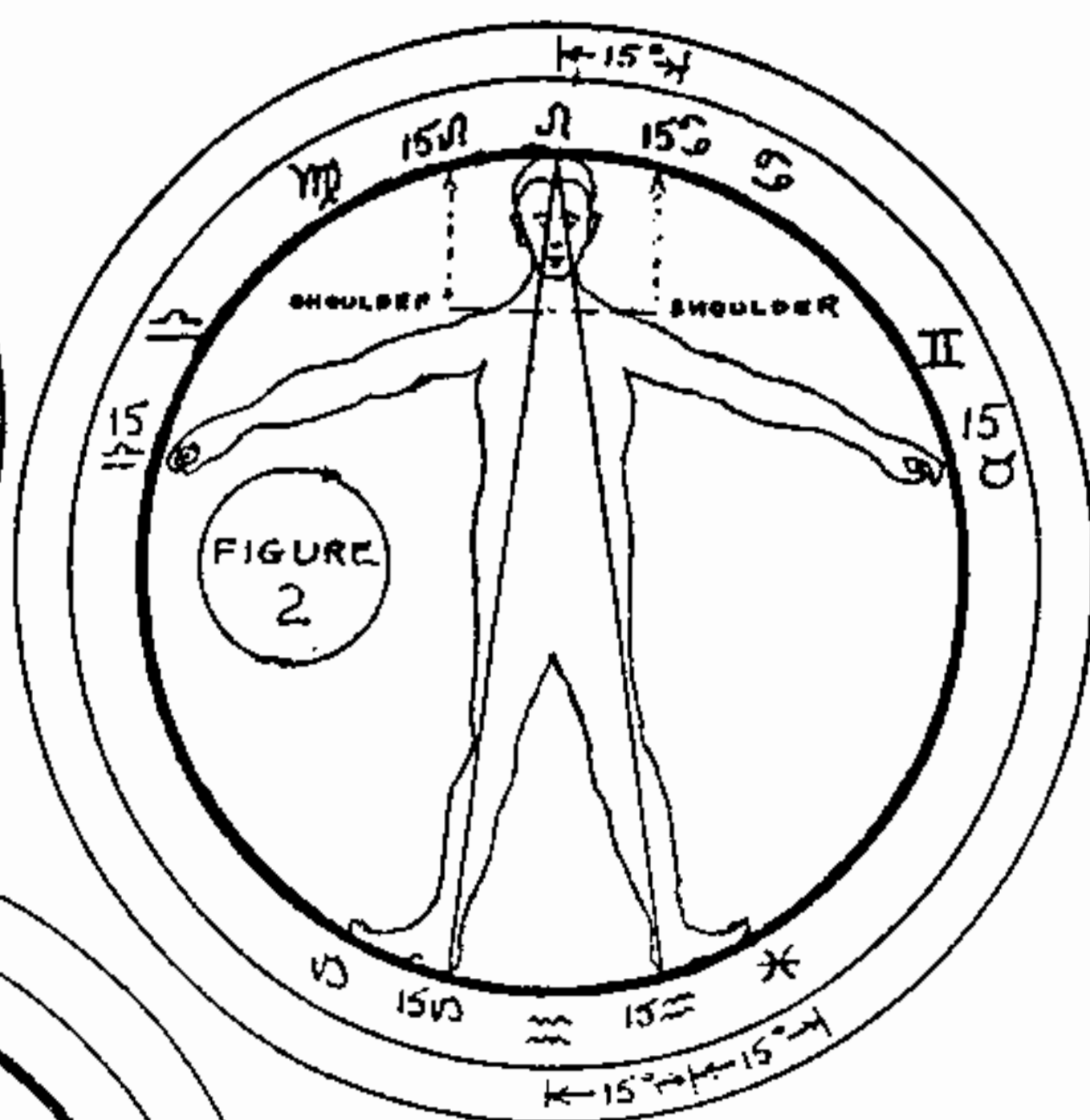
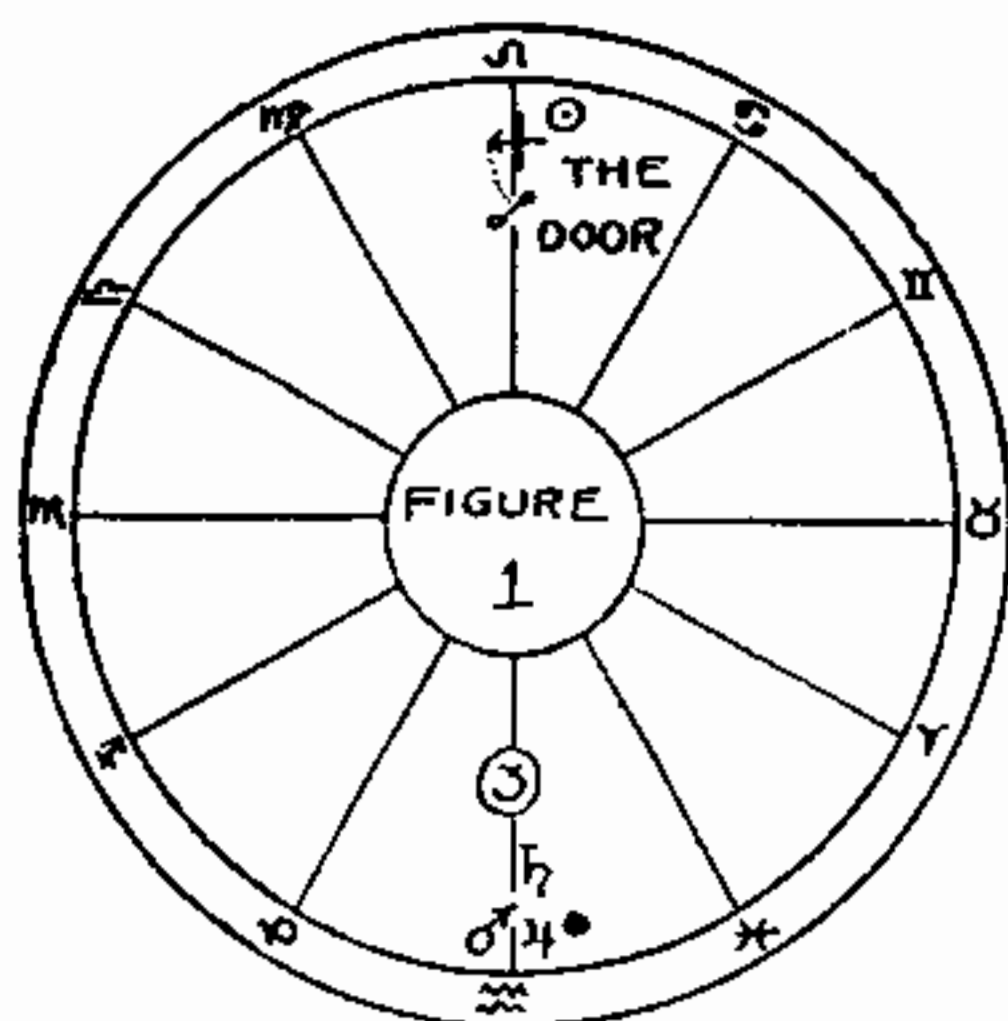
Abraham ran into the tent to Sarah and told her to mix three measures of bread flour and make some cake. Then he ran to the cattle, selected a calf and gave it to the boy to prepare it.

He brought butter and milk and of the veal and gave it to the three men by stepping under the tree, and they ate. They ask him, "Where is Sarah, your wife?" He replied, "In the tent."

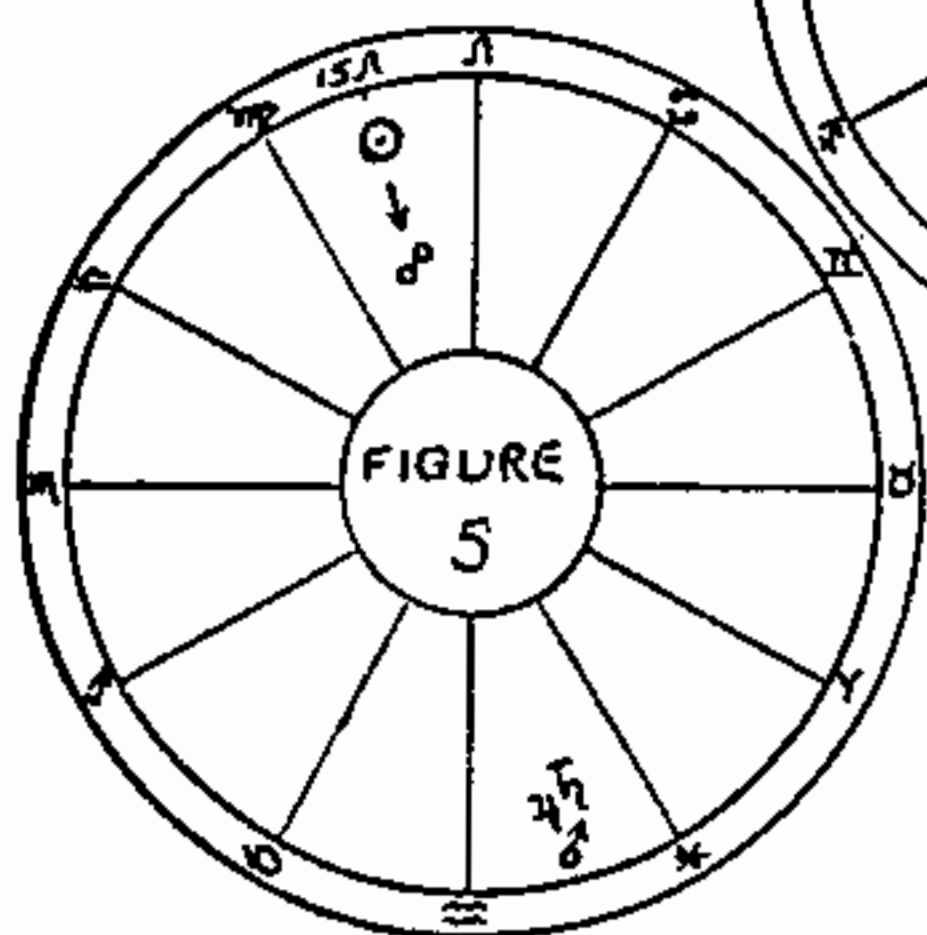
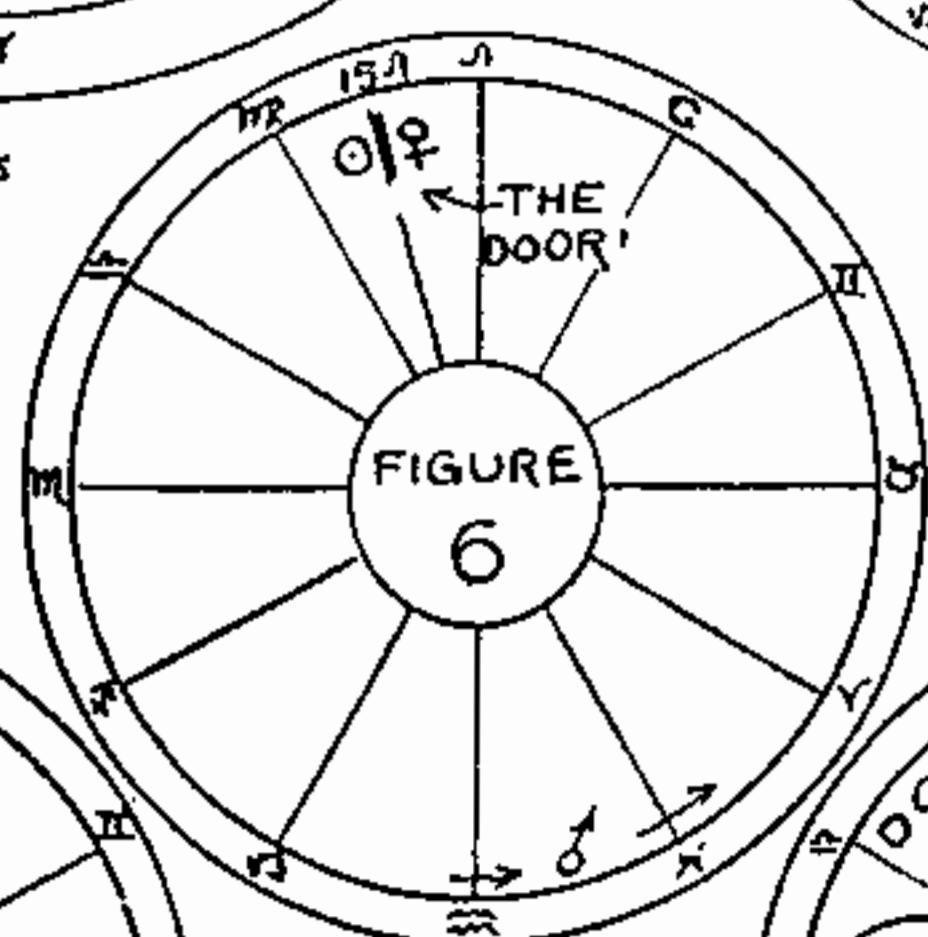
The Lord said, "I shall come again, provided I live yet, then Sarah shall have a son." And Sarah heard this, "behind the door."

What is the astrological meaning of this chapter?

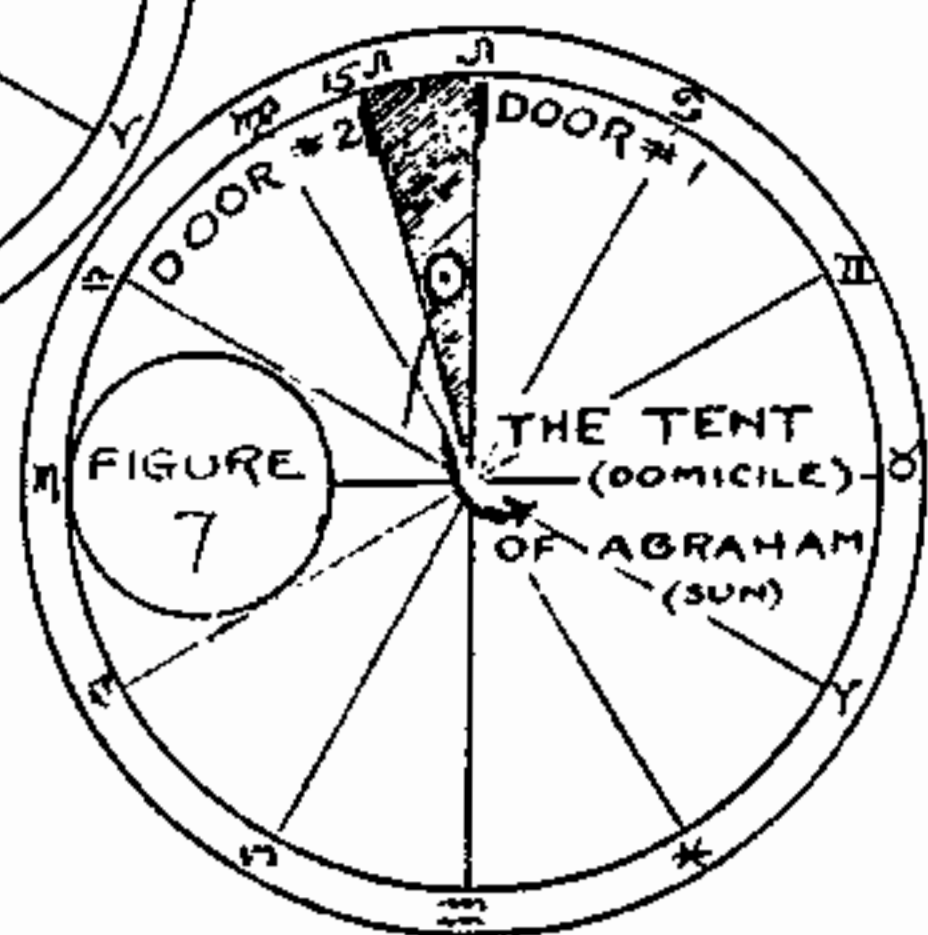
Abraham represents the Sun. He was sitting in front of his tent (house) and it was noon. We know that the Sun's house is Leo, or at least part of Leo, as we shall



GENESIS 2:9 tells us
the TREE is at
15° AQUARIUS ♒



1 YEAR
equals
one cycle of ♄



ABRAHAM'S TENT

see presently. Abraham, or the Sun, was therefore at 0 degrees Leo. The event must have occurred July 23-24 of our calendar, in a certain year. The position of the signs must have been so that the Midheaven of a horoscope erected for the time would be about 29:59 Cancer to 0 Leo.

He looked up and saw three men against him. "Against him" means opposite his own position. The three men were thus standing at 0 Aquarius, opposite his door. See Figure 1. The men were Mars, Jupiter and Saturn. The event, as we realize, must have been very important, because it takes many centuries to find Jupiter conjunct Saturn at 0 Aquarius, plus many more multiples of centuries to find that event happening while Mars is conjunct with them and the Sun opposite them all. We must realize that in the early stories of the Bible we have to do with very long cycles of great import, and a few hundred successive births and deaths of the Ephemeron called man have no count in these cycles.

In the Bible, "under earth" is always understood to refer to that section of the zodiac which includes the signs Sagittarius, Capricorn and Aquarius. (See Genesis 2, verse 4, et seq.) Thus, the meaning of "He bowed to the earth" is: Being at 0 Leo, he could bow downward and reach 0 Aquarius, below the earth. In Figure 2, I put Mr. Sun into the zodiac. His head is at 0 Leo, his left heel at 15 Aquarius, his right heel at 15 Capricorn, his left hand at 15 Taurus, his right hand at 15 Libra. His shoulders are just 15 degrees on either side of his head.

The suggestion to wash their feet indicates that the sectors 0 Cancer to 15 Cancer, as well as 15 Leo to 0 Virgo must contain water, else the feet could not be washed. We know from book astrology that Cancer is a watery sign, but it is probably new to most students that 15 Leo to 0 Virgo also is full of water.

Now see Figure 3. The head of the

Lord is at 0 Aquarius, the feet at 15 Cancer and at 15 Leo. The men are told to lean against the tree. This tree, according to Genesis 2:9, is located at 15 Aquarius. Now, when we look at the Lord and the two other men, we can readily see that they did not have to go far, because they actually were *already* leaning against the tree with their *right* shoulders.

The suggestion to bring bread is rather superfluous, because it is shown in the Bible that whenever we speak of bread we have to understand the sector from 0 to 30 Aries and more particularly its center, 15 Aries. Our Figure 3 shows, however, that the three men could readily help themselves, because they had their hands right in the bread, while Abraham's hand was 15 Libra and could not give them bread at all. He himself establishes the fact that, the Sun, is the servant of Mars, Jupiter and Saturn. This is a very important statement and possibly somewhat startling to some students of astrology.

Now we find that Abraham ran into the tent, to Sarah. Until now he has been at the tent door, i.e., at 0 Leo. He tells her to mix three measures of bread flour. This sentence actually has nothing to do with baking or with cake; it is used to establish the whereabouts of Mrs. Abraham, who is Venus. In chapter 5, verse 3, of Genesis, we are told (by figuring it out mathematically) that one measure equals 1 degree 36 minutes 55:3846 seconds.

This is the standard unit used in the Bible. It may mean years, days, cake measures, depending upon the situation. Thus, Sarah was at that moment 3 times $1^{\circ} 36' 55:3846''$ away from the door. Multiplying, we find Sarah's position to be $4^{\circ} 50' 46:1538''$ in the sign Leo. (see Figure 4). Now, Genesis 1:24 tells us that cattle means Leo, and Genesis 13:2 specifies more clearly where the cattle are to be found within the sign of Leo. It says: 0 Leo to 20 Leo. Thus we know that the Sun passed the conjunction with Venus,

his wife, then continued moving forward into Leo to pick up the calf which he gave to the boy, to prepare it. The giving process means conjunction. The boy was Mercury, of course. The Sun himself brought butter and milk and of the veal as he stepped under the tree. The tree is at 15 Aquarius, and the shade of the tree therefore is at 15 Leo. Thus, the completion of this event required about two weeks, or while the Sun was transiting from 0 Leo to 15 Leo.

Next, the three men asked, "Where is Sarah, your wife?" Abraham replied, "In the tent." This means, astrologically, that the Sun, being at 15 Leo, was now outside the tent, while Venus was still inside. Since the Sun had conjoined, then passed, Venus, he must have been moving at greater speed than Venus. Too, this must indicate that Venus was moving at less than her normal rate of travel, because the Sun overtook her within the tent and left her behind him. The conjunction, then, must have occurred when Venus was about to turn retrograde, because according to the Lord's statement, she is to bear a son within a year. Note that the "begetting" period for Venus therefore is definitely the time of her retrogradation.

As to the butter and milk, we get hints here as to when we must expect high and low prices in milk and butter, depending upon the position of the Sun as related to Mars, as well as to the tree.

The Lord says that he will come again, provided he is still alive, and Sarah shall have a son. This means that Mars must return to its present relative position, which indicates a period of about two years until the birth occurs. Sarah hears this from behind the door. Figure 6 illustrates the positions of Abraham, Sarah, the door between them, and the Lord on the other side. The dotted line shows the path Mars must travel through the zodiac to come back to its position at 15 Aquarius.

The domain of the Sun is shown, in Figure 7, to extend from one door to the

other, i.e., from 0 Leo to 15 Leo, and no further. Let all astrologers give this statement particular study. Perhaps it will clarify some of the present difficulties in interpreting Leo.

Figure 5 shows where the meal was consumed, with the relative positions of Abraham and the three men. The positions of the boy and Sarah are, at this moment, irrelevant.

This article is a brief explanation of only ten verses of the Bible. Just look at the 1284 pages the standard Bible contains and consider that each word has its meaning, that great events always occur at the expiration of 1284 days in the markets, that the making of just so many pages to make up one Bible is not a coincidence.

Consider also that to study the Bible, one must begin at Genesis 1:1 and analyze each word carefully, else one will soon reach a stage where he can proceed no further. It may be said parenthetically that I have begun not less than eight times, and always got "stuck" shortly beyond Exodus, until one day I was able to cross the bridge into still deeper things. However, when once the fundamentals have been mastered, the scroll seems to unroll as a thread from off a spool. It is my opinion that the Bible astrologers read the Book in the same way that we page through an encyclopedia, for explanation of certain words. In their case they searched for specific situations and factors. Certainly it must have been impossible for them to retain in their memories all the intricate laws which this Book contains.

While the ideas presented here may appear far-fetched at first glance, I have tested them over the years in many ways, and the measurements and suggestions they afford have proved accurate. It is, of course, impossible to present the whole Biblical system of astrology in articles as brief as these must be, but those who desire to study this system more thoroughly may find it helpful to write me